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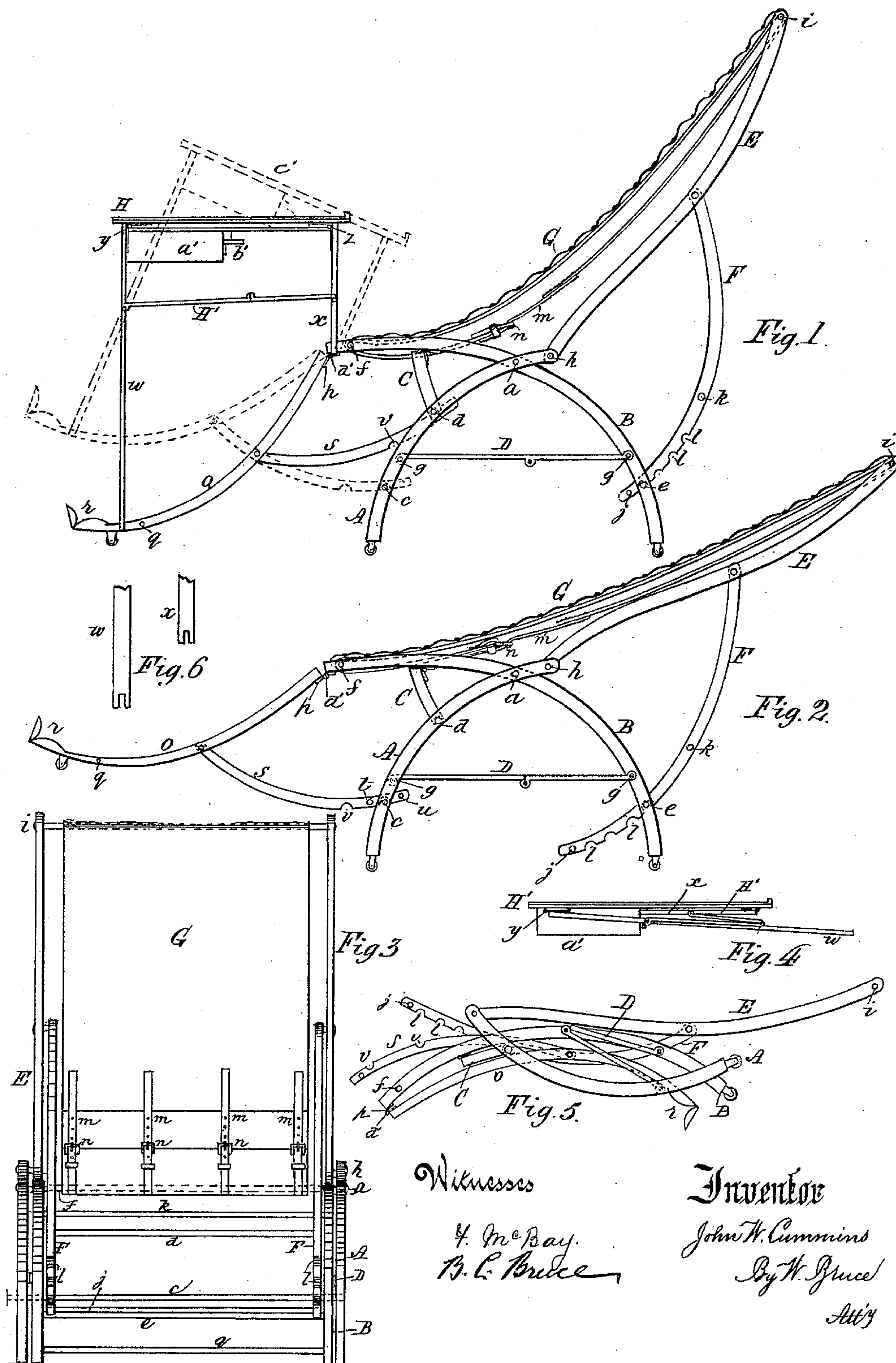
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J. W. CUMMINS.

RECLINING, FOLDING, AND TABLE CHAIR.

(Application filed May 19, 1898.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN WILL CUMMINS, OF HAMILTON, CANADA, ASSIGNOR OF ONE-HALF TO
OLIVER JENISON BROWN, OF SAME PLACE.

RECLINING, FOLDING, AND TABLE CHAIR.

SPECIFICATION forming part of Letters Patent No. 614,370, dated November 15, 1898.

Application filed May 19, 1898. Serial No. 681,112. (No model.)

To all whom it may concern:

Be it known that I, JOHN WILL CUMMINS, a citizen of the Dominion of Canada, residing at Hamilton, in the county of Wentworth, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Reclining, Folding, and Table Chairs; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same.

The invention relates to a very handy and convenient chair constructed in such a manner as to afford ease and comfort to the occupant, the back being capable of adjustment to form different positions or angles for reclining, including a horizontal one for use of sleeping, as in a bed; also, a movable and adjustable foot-rest for two or more different positions. The chair is provided with an adjustable and folding table detachably connected to the foot-rest and chair-frame and the top capable of being placed in a horizontal position for a dining-table for an invalid or lame person or at an incline of about twenty-five degrees for use as a writing or reading desk, a drawer in the table being conveniently placed for pens, ink, and stationery, and will also afford a convenient device for an artist or writing-desk for clergymen, students, or other professional men.

The whole device is portable, it being capable of being folded up in a comparatively small compass in a few moments for transportation. It is very light, but strong and durable, and being furnished with casters can be wheeled about with ease when necessary. The back-upholstering material can be instantly removed for cleaning, renewal, or for folding the chair for transportation.

By reference to the drawings forming part of this specification, Figure 1 is a side elevation of a reclining, folding, and table chair embodying my invention. Fig. 2 is a side view showing the foot-rest and the back more inclined. Fig. 3 is a rear elevation. Fig. 4 is a side view of the detachable chair-table folded up. Fig. 5 is a side view of the chair folded up for transportation. Fig. 6 is a view of the feet of the table.

In the drawings, A, Figs. 1 and 2, represents the two front legs, curved outward

about the quarter of a circle and formed of wood of about three-fourths by one and three-fourths inches in size.

B represent the rear legs, being a quarter-curve elongated at the front and pivoted to the front legs at their junction where they cross by a pivot-bolt *a*.

The front legs A are held together by the cross-bars or rungs *c d* and the rear legs B by similar-shaped rungs *e f*. The front and rear legs A B are prevented from spreading by means of joint ends D, having their terminations secured to each leg by screws *g*.

The front extended portion of the rear legs B are each provided on their under side with a brace-support C, the upper ends being hinged to the under side of said extension (for convenience in folding the chair) and the bottom end of said braces being forked and made to rest upon and straddle the rung *d*, which unites the two front legs A A, as shown at Figs. 1 and 2. This device braces that portion of the chair under the seat where the principal weight of the occupant comes upon.

The back-frame of the chair consists of two main compound curved side pieces E E, connected and pivoted to the rear end of the front legs A A by pivot-bolts *h h* and secured together at their outer ends by a cross-rung *i*. Pivoted to about the center of the said compound side frames E E are two curved back-supports F F, connected at their lower ends with a rung *j* and at about their center with another rung *k* and having a series of notches *l* cut out of the lower portion of each of said supports, which are made to engage with the lower rung *e* of the rear legs B, by which the back-frames E can be inclined to the different angles desired, according to the notches engaging with the rung *e*, two positions of which are shown at Figs. 1 and 2, respectively.

The seat and back upholstering part G of the chair is all in one piece and may be formed of any desired material—such as canvas, carpeting, &c.—and the same may be stuffed or padded and covered with plush or other desired style of upholstering. The said seat and back G, of whatever material, is placed around the front rung *f* of the rear legs B and

the top rung *i* of the back-frame E and the ends secured together by means of straps *m*, attached to one end of the backing G, entering buckles *n*, attached to the opposite end, as shown at Fig. 1 and still more clearly at Fig. 3. By this means the backing G can always be easily removable for cleaning or change of material. The said ends could be laced or otherwise connected; but I prefer straps and buckles as more convenient for removing the back for any purpose whatever.

The foot-rest consists of two downward-curved sides *o o*, their inner ends being hinged to the front extended portion of the rear legs B by hinges *p* and the lower and outer ends being secured together by a rung *q* and Λ -shaped footboard *r*. The height or angle of the footboard is adjusted by means of two curved braces *s s*, the forward ends of the same being pivoted to the foot-rest side frames *o o* and the rear portion being connected with two rungs *i u*. Notches *v v* are cut on the under side of the rear part of the said pieces *s s* to engage with the rungs *d* or *c*, connecting the front legs, to adjust the height of the footboard *r*. In its normal position it rests upon the floor, as in Fig. 1, when the back is in its highest position; but when the back is lowered for reclining, as in Fig. 2, the foot-rest *r* is elevated by raising it and placing the last notch on the lower rung C, firmly holding it in the desired position, instead of on the upper rung *d*, on which it is placed when the foot-rest is at its lowest point, as in Fig. 1.

On the front part of the frame and over the foot-rest the table H is attached, the outer legs *w* being notched at the bottom (see Fig. 6) and straddle the curved foot-frame *o* of the foot-rest *r* snugly, the inner legs *x* being shorter, and the ends notched also fit over the front end of the projecting rear legs, where it is firmly held to the chair. The outer legs *w* are hinged by strap-hinges *y* to the top of the table, and the shorter ones *x* are also hinged by similar ones *z* to the opposite side of the top. This allows the legs to be folded under the top in a small compass for transportation. The legs *w* and *x* are held spread by means of folding braces H', attached to the said front and rear legs *w x*.

a' is a drawer in the table for convenience in holding paper and writing materials, and *b'* is a button attached to the under side of the top on each side for turning and holding

the folding parts to the top when folded up for transportation.

The dotted lines *c'* represent the slanting position of the top of the table when the foot-rest *o* is elevated and supported by the curved brace *s*, having its notch *v* shifted from the top rung *d* on the front legs to the lower one *c*, as shown at Fig. 2 and by dotted lines at Fig. 1. The table then is in a slanting position to the occupant and in a convenient position for a reading and writing desk for an invalid or lame occupant and equally convenient for an artist, student, clergyman, or camper, &c., while in the latter and other cases the chair can form a bed for sleeping upon in hot weather, as well as for resting upon. It may be further stated that a rod *d'* is made to pass through the hinges *h* of the foot-rest frame *o*, secured in place by a nut on one end, by the removal of which the said foot-rest may easily be detached when desired.

Having thus described my device and its advantages, what I claim as my invention, and desire to secure by Letters Patent, is—

In a folding, reclining and table chair, the front and rear legs bent and arched to about a quarter-circle, crossed and pivoted together, and rungs connected with the same, the rear leg extending a distance out in front of where they cross, braces hinged to the outer side of said extensions having forked ends to impinge on a rung of the front legs the adjustable back-frame, curved braces attached thereto, the flexible detachable seat and back-rest, a projecting curved frame, with a foot-rest, hinged to the front ends of the rear legs, adjusted vertically by means of the notched braces of the frame engaging with the lower rung of the front legs, a table adjustably fitted on the frame of the foot-rest and front end of rear legs, so as to be horizontal or on an incline, by elevating the outer ends of the foot-rest by means of the notched braces of its frame engaging with the lower rung of the front legs, folding braces secured to the front and rear legs to prevent them from spreading and allow them to fold, all substantially as and for the purpose specified.

Dated at Hamilton, Ontario, this 12th day of April, 1898.

JOHN WILL CUMMINS.

In presence of—

A. WHITE,
WM. BRUCE.